

REMARKS

Applicant respectfully requests continued examination of this application in which claims 18-26 are now pending.

When discussing the subject matter of selecting a ratio of the groove width to the sheave diameter, the Board of Patent Appeals arrived at a result that is directly contrary to the subject matter of Applicant's pending independent claims. The Board reasoned that a person of skill in the art would minimize a sheave diameter to "indirectly increase the ratio of groove width to sheave diameter" when intending to move an elevator cab at a higher rate of speed. In other words, it appears that the Board's reasoning was that increasing elevator speed would result in a higher ratio of groove width to sheave diameter. Applicant's claims 18 and 23 require an opposite result in which the ratio is within a first range when the speed of travel or contract speed of the elevator cab is above a first speed and in a second, higher range when the speed of travel or contract speed is at a lower speed below that first speed. In other words, the Board's reasoning leads one to an opposite result compared to what is claimed.

Moreover, Applicant respectfully traverses the Board's statement regarding considering a desired speed of cab travel and torque requirements to the extent that would be construed as leading one to select a particular sheave diameter and groove width to achieve a particular ratio between those. As the Board notes, one might select a motor for reasons when considering torque requirements and speed requirements but there is nothing about choosing a groove width on a belt and a sheave diameter such that a ratio between them fits within desired ranges. Further, the desired ranges recited in

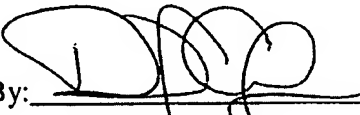
Applicant's claims require an opposite result that the Board believed would be found based on the references previously considered in this case.

Applicant respectfully submits that the pending claims are allowable.

Applicant believes that no additional fees are necessary, however, the Commissioner is authorized to charge Deposit Account No. 50-1482 in the name of Carlson, Gaskey & Olds for any additional fees or credit the account for any overpayment.

Respectfully submitted,

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